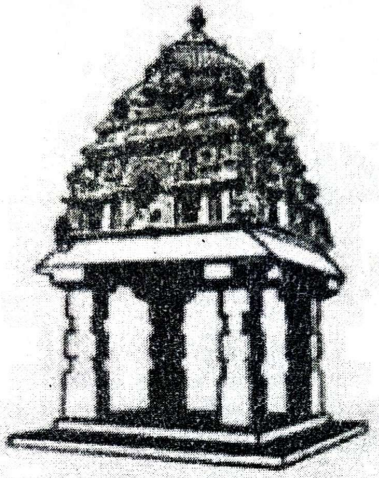

Bruhat Bengaluru
Mahanagara Palike

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of work:- Re-Drilling of Borewell and Providing Syntex Tank in various locations of 110 village areas in ward no 01 & 03 of YelahankaDivision.

Modified Cost RS :- 49.00 Lakh's

Scanned with ACE Scanner

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Estimated Cost RS. 49.00 Lakh's

Name of Work:- Re-Drilling of Borewell and Providing Syntex Tank in various locations of 110 village areas in ward no 01 & 03 of YelahankaDivision.

S.N	Description of Item	Unit	No	Mesurement L	Mesurement B	Mesurement D	Qty	Rate	Amount
	A) RE-DRILLING BOREWELL								
1	Sinking of Borewell of 165mm dia clear using super fast hydraulic rig of capacity 300 PSIG & above 1100 CMF & above in all strata including over burdern upto 20 m. Fixing of casing pipes, collars and cap with necessary cutting, threading and welding including transportation of rig and supporting vehicle, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (Excluding cost of casing pipes, collars, cap etc., complete) (Above 450m of drilling add 10% for every 50m depth) (Page No.139 Sl No.12.1, BWSSB SR 2023-24)								
	Chainage 150.00 to 200.00 mtrs								
		Rmtr	4	50.00			200.00		
							200.00	572.00	**114400.00**
	Basic rate	572.00							
2	**Chainage 200.00 to 250.00 mtrs**								
		Rmtr	4	50.00			200.00		
							200.00	671.00	**134200.00**
	Basic rate	671.00							
3	**Chainage 250.00 to 300.00 mtrs**	Rmtr							
		Rmtr	4	50.00			200.00		
							200.00	740.00	**148000.00**
	Basic rate	740.00							
4	**Chainage 300.00 to 350.00 mtrs**								
		Rmtr	4	50.00			200.00		
							200.00	868.00	**173600.00**
	Basic rate	868.00							
5	Providing Submersible Pump Set of 150mm dia suitable for bore well and confirming to IS 8034-2000;3Phase, SS Bowl & Impeller with Low volt Motor as per specifications, to work site as per necessary ammendments and instructions of engineer incharge of work. For 12.50 HP - 90 LPM @ 264 m = 24 STG Outlet Dia - 2.00" (BWSSB 2023-24, P-153, I-13.17.7)								
		Nos	1				1.00		
							1.00	64128.00	**64128.00**
	Basic rate	64128.00							
6	Supplying and Drawing 3 Core Flat PVC Shelted Submerisible Pump Cable Manufactured With Electrolytic grade copper with flexible copper conductor confirming to table 3 class 5of IS 8130-1984 and Virgin PVC insulation and Sheeated Suitable for working Voltage Upto 1100 Volts as per IS-694:1990. 3C x 6.0Sqm (Page No:7 Iten No:2.6.3 ELE SR SR 2023-24)								
		Rmtr	4	2	350		2800.00		
	Additional Cable for Other Borewells			2	300		600.00		
	(-)Deductions for Cable		4	2	210		1680.00		
							1720.00	245.00	**421400.00**
7	Supply and delivery at site of brand new best make non-return valve as per IS 778/1984 with ISI Mark and as per its latest amendments Size 50mm dia (BWSSB SR 2023-24, P.154, I-13.25.1)								
		Each	4				4.00		
							4.00	1250.00	**5000.00**
	Basic rate	1250.00							

Scanned with ACE Scanner

8	Supply and delivery at site of brand new best make gate valve as per IS 778/1984 with ISI Mark and as per its latest amendments Size 50 mm (Page No.154 Item No.13.24.1, BWSSB SR- 2023-24)								
		Nos	4				4.00		
							4.00	1250.00	**5000.00**
	Basic rate	1250.00							
9	Supply and delivery at site wrought middle steel (galvanized) GI union confirming to IS 1239-II, 1991 with latest amendments if any. For 50 mm dia GI Union (BWSSB SR 2023-24 P-131, I-11.12.6)								
		Nos	4				4.00		
							4.00	267.00	**1068.00**
	Basic rate	267.00							
10	Providing, Laying and Fixing of GI pipes conforming to IS 1239:1990 with latest amendments complete with GI fittings (excluding the cost of fittings) with cuts and threads wherever necessary, including testing for water tightness, with all lead and commissioning. (contractor will make his own arrangements for procuring water for testing) For:Heavy Duty GI Pipe etc. complete. Light Duty GI pipe of 50mm dia (BWSSB SR 2023-24 P-127, I-11.1.6)								
		Rmtr	4	350.00			1400.00		
	Additional GI pipes for Other borewells			300.00			300.00		
							1700.00		
	(-)Deductions for old Pipes								
			4	210.00			840.00		
							860.00	442.00	**380120.00**
	Basic rate	442.00							
11	Supply, installing,testing and commissioning COMMON control panel consisting of the following INCOMING:1 No set of Phase indicating lamps with SFU of suitable rating 1 No, Analog Ammeter, 1 No Analog Voltmeter 1ni with Phase selector switch, Isolating switch OUTGOING for Main Electrical Pump: 1 No. MCB 1 No. DOL of S/D Starter suitable for respective HP 1 No. Electrcal Protection Like single Phase preventor, under voltage over Volage, under current over current & dry run protection suitable for the pump described above 1 no Indoor type NOTE: 1) DOL- Direct Online Starter 2) S-D- Star Delta Starter etc. complete.6 to 15 HP pumps (BWSSB, SR 2023-24, P-155, Item No.13.23.3)								
		Each	2				2.00		
							2.00	15900.00	**31800.00**
	Basic rate	15900.00							
12	Labour charges for Lifting of non functioning submersible pump set along with cable and GI pipes (Each length = 6m)). for 50 mm (BW SSB SR 2023-24 P- 142 Item No.12.24)								
		Job	4	35.00			140.00		
							140.00	229.00	**32060.00**
	Basic rate	229.00							
13	Labour charges for Erection of new / repaired submersible pump set along with GI pipes (32mm / 50mm), cable (New submersible pump set if required will be supplied by the department free of cost and released pump set should be handed over to department) including transportation (Each length = 6 m) (BWSSB SR 2023-24 P- 142 Item No.-12.28)								
		Job	4	59.00			236.00		
							236.00	187.00	**44132.00**
	Basic rate	187.00							

Scanned with ACE Scanner

14	Supply and fixing polished wood board made of not less than 15mm thick plank on both sides of not more than 2 pieces and fixing the same to the wall using tapered inverted wooden plugs screws. F) 20" x 20" x 2.5" (PWD Electrical SR 2023-24 P-14, I-5.6.6)								
		Each	2				2.00		
							2.00	326.13	**652.26**
15	Labour charges for erection of outdoor type panel board and meter board units with all necessary materials and labour, tools and equipments including providing cement concrete foundation bed etc., complete as per specification, with testing of as per instructions of engineer incharge of work. (Page No.156 / Item No. 13.34, BWSSB SR-2023-24)								
		Job	2				2.00		
							2.00	1450.00	**2900.00**
	Basic rate	1450.00							
16	Earthing: Suppling and fixing and wiring earth electrode for grounding circuits IC cutouts and other equipments on the meter board in the pit. The pits should be filled up with equal proportion of salt and charcoal 150mm around the pipe to complete depth. The connection from the pipe to the conduits etc. is to established through GI wire of sizes as per clause 7.3.3 of IS 732 using 12mm bolts,nuts, washers and check nuts, the pipe shall have 16 through holes of 12mm dia. (PWD Electrical SR 2022-23, P-54, Item No.12.56)								
		Job	2				2.00		
							2.00	3510.00	**7020.00**
17	Supplying & fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898. (PWD Electrical SR 2023-24 P-18, I- 5.18.9)								
		Each	2				2.00		
							2.00	3088.00	**6176.00**
18	Supply and delivery at site brand new best make starter/ control panel suitable for following HP centrifugal pump confirming with ISI mark and its latest amendments. 10 to 12 HP centrifugal pump (Page No. 158 / Item No. 13.43.3, BWSSB SR 2023-24)								
		Each	2				2.00		
							2.00	35650.00	**71300.00**
	Basic rate	35650.00							
	Total	**35650.00**							
19	Yield testing of borewells at final depth with a minimum of 10 hours continuously with the help of pump testing unit including the cost of transportation charges, crew charges and cost of consumables. (Sl No.12.9, Page No.140, BWSSB SR 2023-24)								
		Each	4				4.00		
							4.00	16306.00	**65224.00**
	Basic rate	16306.00							
20	Supplying of TPST with rewirable porcelain channels in SM enclosure. Made out of 14 SWG powder coated paint of approved colour. 32A (Page No-14 , Item No-5.5.1, ELE SR 2023-24)								
		Nos	2				2.00		
							2.00	1701.00	**3402.00**
21	Supplying and fixing LED Type panel board indicating lamp with required colour Suitable for 220 V AC 50Hz 12/24 V DC Group 'A' (Page No-19 , Item No-5.38, ELE SR 2023-24)								
		Nos	2		3.00		6.00		
							6.00	515.00	**3090.00**
22	Supplying & fixing of Porcelain fuse channel with cutout on existing wooden/panel using necessary nuts, bolts and washers. (PWD Electrical SR 2023-24 P-14, I-5.7.3)								
		Each	2	6.00			12.00		
							12.00	401.00	**4812.00**
23	Supplying and fixing angle iron frame work fabricated out of M.S. angle iron.. and M.S. Flat.....with bolts, washers etc., and painted with 2 coats of red oxide and then two coats of approved paint. 40 x 40 x 6 mm (PWD Electrical SR 2023-24 , Page NO:20, Item No:5.41.1).(Per leg 2. 5MtrX2 Nos legs)-5.00 Mtr Per Box								
		Rmtr	2	5.00			10.00		
							10.00	305.00	**3050.00**

Scanned with ACE Scanner

24	Supplying Fully Automatic Star- Delta Starter Unit Push Button Type With Suitable Wires 3 Contractors, One Adjustable Thermal Timer Mounted on a Common Base Plate held in Steel Enclosure For Use on 400/440 Volts 3 Phase and Wired after Fixing to the Exjsiting Wooden Board For Motor, Above 12.5 HP upto 25 HP (Page No-14 , Item No-5.2.2, ELE SR 2023-24)								
		Nos	4				4.00		
							4.00	8764.00	**35056.00**
	B)MOTOR REWINDING								
25	Rewinding of submersible pumpset with copper winding wires of appropriate guage, as per specifications and / or directions of the departmental officials, including all materials, labour, equipment and testing. for all types of submersible pumpsets etc.(with guarantee period not less than 6 months) for For all types of submersible pumpsets above 12.0 HP and upto 13 H.P (BWSSB 'SR 2023-24 P- 147 I-13.1.15)								
		No	4				4.00		
							4.00	5983.00	**23932.00**
	Basic rate	5983.00							
	C) REPAIRE OF PUMP PARTS								
26	Replace the components of submersible pump sets, requiring replacements decided by the departmental officials, with respective make of damaged ones, including all materials, labour, equipments and testing etc.(with gurantee of period not less than 1 year) for: **The bowls of same type and make**(BWSSB SR 2023-24 P- 147 & 148 I- 13.2.1 to 13.2.17)								
		Each	3				3.00		
							3.00	1500.00	**4500.00**
	Basic rate	1500.00							
27	The Intermediate piece (IP) with IP leaded bronze brush.	Each	3				3.00		
							3.00	1050.00	**3150.00**
	Basic rate	1050.00							
28	The Oil Seal.	Each	3				3.00		
							3.00	350.00	**1050.00**
	Basic rate	350.00							
29	The Oil Seal.and steel bush	Each	3				3.00		
							3.00	250.00	**750.00**
	Basic rate	250.00							
30	The Guide Vane	Each	3				3.00		
							3.00	700.00	**2100.00**
	Basic rate	700.00							
31	The Impeller (Shell moulded with	Each	3				3.00		
							3.00	1500.00	**4500.00**
	Basic rate	1500.00							
32	The discharge outlet (DO) bearing DO steel	Each	3				3.00		
							3.00	2050.00	**6150.00**
	Basic rate	2050.00							
33	The steel bearing bush (DO steel bush)	Each	3				3.00		
							3.00	400.00	**1200.00**
	Basic rate	400.00							
34	The allen screw	Each	3				3.00		
							3.00	1200.00	**3600.00**
	Basic rate	1200.00							
35	The pump shaft made out of stainless steel	Each	3				3.00		
							3.00	1500.00	**4500.00**
	Basic rate	1500.00							
36	Pump key (stainless steel)	Each	3				3.00		
							3.00	650.00	**1950.00**
	Basic rate	650.00							

Scanned with ACE Scanner

37	Pump coupling (stainless steel)	Each	3				3.00		
							3.00	1500.00	**4500.00**
	Basic rate	1500.00							
38	Non-return valve (NRV) assembly complete	Each	3				3.00		
							3.00	650.00	**1950.00**
	Basic rate	650.00							
39	Cable Guad	Each	3				3.00		
							3.00	350.00	**1050.00**
	Basic rate	350.00							
40	Strainer	Each	3				3.00		
							3.00	450.00	**1350.00**
	Basic rate	450.00							
41	Brass filter	Each	3				3.00		
							3.00	1050.00	**3150.00**
	Basic rate	1050.00							
42	The Labour Charges for overhauling of the pump set.								
		Each	3				3.00		
							3.00	900.00	**2700.00**
	Basic rate	900.00							
	D.REPLACEMENT OF MOTOR PARTS								
43	Replace the components of motor parts of submersible pump sets, items requiring replacements decided by the departmental officials, with respective make of damaged ones, including all materials, labour, equipments and testing etc and wtih guarantee/warranty for one year for: (BWSSB, SR 2023-24, Page No. 148, Item No.13.3.7 to 13.3.21)								
	Upper Flange	Each	3				3.00		
							3.00	650.00	**1950.00**
	Basic rate	650.00							
44	Lower Flange	Each	3				3.00		
							3.00	650.00	**1950.00**
	Basic rate	650.00							
45	Lower Housing	Each	3				3.00		
							3.00	1200.00	**3600.00**
	Basic rate	1200.00							
46	Lock Ring	Each	3				3.00		
							3.00	350.00	**1050.00**
	Basic rate	350.00							
47	Carbon Housing	Each	3				3.00		
							3.00	2000.00	**6000.00**
	Basic rate	2000.00							
48	The Carbon Housing (Thrust bearing block	Each	3				3.00		
							3.00	2200.00	**6600.00**
	Basic rate	2200.00							
49	The Carbon Housing (Top carbond / ferrodo	Each	3				3.00		
							3.00	350.00	**1050.00**
	Basic rate	350.00							
50	Stud and Nuts	Each	3				3.00		
							3.00	200.00	**600.00**
	Basic rate	200.00							
51	The Gun Metal bearing, centrifugally cast	Each	3				3.00		
							3.00	850.00	**2550.00**
	Basic rate	850.00							

Scanned with ACE Scanner

52	Circlips								
		Each	3				3.00		
							3.00	200.00	**600.00**
	Basic rate	200.00							
53	Motor base with pin.								
		Each	3				3.00		
							3.00	500.00	**1500.00**
	Basic rate	500.00							
54	Transportotion of pumping machineries								
		Each	3				3.00		
							3.00	1200.00	**3600.00**
	Basic rate	1200.00							
55	Labour charges Over hauling only								
		Each	3				3.00		
							3.00	3000.00	**9000.00**
	Basic rate	3000.00							
56	Labour charges for Lifting of non functioning submersible pump set along with cable and GI pipes (Each length = 6m)). for 50 mm (BW SSB SR 2023-24 P- 142 Item No.12.24)								
		Job	3	30.00			90.00		
							90.00	229.00	**20610.00**
	Basic rate	229.00							
57	Labour charges for Erection of new / repaired submersible pump set along with GI pipes (32mm / 50mm), cable (New submersible pump set if required will be supplied by the department free of cost and released pump set should be handed over to department) including transportation (Each length = 6 m) (BWSSB SR 2023-24 P- 142 Item No.-12.28)								
		Job	3	30.00			90.00		
							90.00	187.00	**16830.00**
	Basic rate	187.00							
58	Fabricating supplying and mounting MS box made out 14SWG suitable for floor /wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished with 7tanks treatment with powder coated paint and finally finished with approved colour etc., complete., (PWD Electrical SR- 2022-23 , Page No:20, Item No:5.42.1) **1200x850x2=2040000, 850x350x2=595000, (350+450)/2=400, 400x1200=480000, 480000x2=960000, 3595000/100=35950Sqcm**								
		Sqcm	3		35950.00		107850.00		
							107850.00	0.50	**53925.00**
	Basic Rate	0.50							
59	Supplying and fixing angle iron frame work fabricated out of M.S. angle iron.. and M.S. Flat.....with bolts, washers etc., and painted with 2 coats of red oxide and then two coats of approved paint. 40 x 40 x 6 mm (PWD Electrical SR 2023-24 , Page NO:20, Item No:5.41.1.(Per leg 2. 5MtrX2 Nos legs)-5.00 Mtr Per Box								
		Mtrs	3	3			9.00		
							9.00	305.00	**2745.00**
	Basic Rate	305.00							
60	Supply and fixing polished wood board made of not less than 15mm thick plank on both sides of not more than 2 pieces and fixing the same to the wall using tapered inverted wooden plugs screws. F) 20" x 20" x 2.5" (PWD Electrical SR 2023-24 P-14, I-5.6.6)								
		Each	3				3.00		
							3.00	326.13	**978.39**
	Basic Rate	326.13							
61	Supplying & fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898. (PWD Electrical SR 2023-24 P-18, I- 5.18.9)								
		Each	3				3.00		
							3.00	3088.00	**9264.00**
	Basic Rate	3088.00							
62	Supplying & fixing of Porcelain fuse channel with cutout on existing wooden/panel using necessary nuts, bolts and washers. (PWD Electrical SR 2023-24 P-14, I-5.7.3)								
		Each	3				3.00		

Scanned with ACE Scanner

	Basic Rate								
		401.00					**3.00**	401.00	**1203.00**
63	Earthing: Suppluing and fixing and wiring earth electrode for grounding circuits IC cutouts and other equipments on the meter board in the pit. The pits should be filled up with equal proportion of salt and charcoal 150mm around the pipe to complete depth. The connection from the pipe to the conduits etc. is to established through GI wire of sizes as per clause 7.3.3 of IS 732 using 12mm bolts,nuts, washers and check nuts, the pipe shall have 16 through holes of 12mm dia. (PWD Electrical SR 2022-23, P-54, Item No.12.56)								
		No	3				3.00		
	Basic Rate	3510.00					**3.00**	3510.00	**10530.00**
64	Supply, installing,testing and commissioning COMMON control panel consisting of the following INCOMING:1 No set of Phase indicating lamps with SFU of suitable rating 1 No, Analog Ammeter, 1 No Analog Voltmeter 1ni with Phase selector switch, Isolating switch OUTGOING for Main Electrical Pump: 1 No. MCB 1 No. DOL of S/D Starter suitable for respective HP 1 No. Electrcal Protection Like single Phase preventor, under voltage over Voiage, under current over current & dry run protection suitable for the pump described above 1 no Indoor type NOTE: 1) DOL- Direct Online Starter 2) S-D- Star Delta Starter etc. complete.6 to 15 HP pumps (BWSSB, SR 2023-24, P-155, Item No.13.23.3)								
		Each	3				3.00		
	Basic rate	15900.00					**3.00**	15900.00	**47700.00**
65	Supply and delivery at site of brand new best make non-return valve as per IS 778/1984 with ISI Mark and as per its latest amendments Size 50mm dia (BWSSB SR 2023-24, P.154, I-13.25.1)								
		Each	3				3.00		
	Basic rate	1250.00					**3.00**	1250.00	**3750.00**
66	Supply and delivery at site wrought middle steel (galvanized) GI union confirming to IS 1239-II, 1991, with latest amendments if any. For 50 mm dia GI Union (BWSSB SR 2023-24 P-131, I-11.12.6)								
		Each	3				3.00		
	Basic rate	267.00					**3.00**	267.00	**801.00**
67	Supply and delivery at site wrought middle steel (galvanized) GI elbow confirming to IS 1239-II, 1991 with latest amendments if any. For 50 mm dia GI Union (BWSSB SR 2023-24 P-129, I-11.7.6)								
		Each	3				3.00		
	Basic rate	267.00					**3.00**	267.00	**801.00**
68	Supply and delivery at site wrought middle steel (galvanized) GI hexagonal nipple confirming to IS 1239-II, 1991 with latest amendments if any. For 50 mm dia GI hexagonal nipple (BWSSB SR 2023-24 P-132, I-11.14.6)								
		Each	3				3.00		
	Basic rate	213.00					**3.00**	213.00	**639.00**
69	Providing wrought mild steel (galvanized) GI collar confirming to IS 1239-II, 1991 with latest amendments if any. For 50 mm dia GI collar (BWSSB SR 2023-24 P-129, I-11.6.6)								
		Nos	208				208.00		
	Basic rate	267.00					**208.00**	267.00	**55536.00**
70	Re-drilling of filled-up borewell, including yield test at final depth. (BWSSB SR 2023-24 P-140, I-12.6)								
	Ward No-03 Areas	Rmtr	4			210.00	840.00		
	Basic rate	444.00					**840.00**	444.00	**372960.00**
71	Logging / scanning of borewell at any depth continuously with the help of Logger unit including the cost of transportation charges, crew charges, stationery charges and cost of consumables etc. (BWSSB SR 2023-24 P-140, I-12.7)								
	Ward No-03 Areas	Each	4				4.00		
	Basic rate	3674.00					**4.00**	3674.00	**14696.00**

Scanned with ACE Scanner

72	Lifting of struck up Submersible Pump set, upto 300 ft (BWSSB SR 2023-24 P-142, I-12.26)								
		Job	4				4.00		
	Basic rate	6806.00					**4.00**	6806.00	**27224.00**
73	Cutting and threading G.I. pipes for pump fitting, public fountains with appurtenances., where the length of pipe laid is less than 6 metres Pipes of dia 32mm to 80mm (BWSSB SR 2023-24 P-15, I-2.2.2)								
		Each	208				208.00		
	Basic rate	322.00					**208.00**	322.00	**66976.00**
	E.PVC PIPE LINE MAINTANANCE								
74	Earth work excavation for pipelines/cables by Manual means upto 600 mm trench width, as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, including dressing of excavated surfaces, disposing off or leveling the excavated earth or sorting & stacking the selected earth for reuse in a radius of 50 m. Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering and lift upto 1.5 m including cost of labour, tools, usage& other appurtenances required to complete the work. In all kinds of soils. Depth upto 1.50m (KPWD SR 2023-24, V-I, Page No.6, Item No.1.6.1)								
		Cum	1	210.00	0.60	0.90	113.40		
			1	250.00	0.60	0.90	135.00		
							248.40	532.40	**132248.16**
	Basic rate	484.00							
	Area weightage 10%	48.40							
	Total	**532.40**							
75	Providing PVC ringtite pipes conforming to IS 985:2000 with latest amendments and conveying to worksite, rolling and lowering into trenches, laying true to line and level and perfect linking at joints, testing and commissioning, including loading unloading at both destinations and cuts of pipes wherever necessary including jointing of PVC pipes and specials (excluding cost of specials) with jointing of approved type, with all labour with all lead & lift including encasing the pipe alround to a depth of not less than 15 cms. with soft gravel or selected earth available from the excavation etc. complete and giving necessary hydraulic test to the required pressure as per ISS (Contractor will make his own arrangements for procuring water for testing) etc. complete For: PVC pipes 50mm dia., 6 kg/sqcm & class 5 (BWSSB SR 2023-24, Page No.113 Item No.10.1.3)								
		Mtrs	1	210.00			210.00		
							210.00	101.00	**21210.00**
	Basic Rate	101.00							
76	Providing PVC ringtite pipes conforming to IS 985:2000 with latest amendments and conveying to worksite, rolling and lowering into trenches, laying true to line and level and perfect linking at joints, testing and commissioning, including loading unloading at both destinations and cuts of pipes wherever necessary including jointing of PVC pipes and specials (excluding cost of specials) with jointing of approved type, with all labour with all lead & lift including encasing the pipe alround to a depth of not less than 15 cms. with soft gravel or selected earth available from the excavation etc. complete and giving necessary hydraulic test to the required pressure as per ISS (Contractor will make his own arrangements for procuring water for testing) etc. complete For: PVC pipes 63mm dia., 6 kg/sqcm & class 3 (BWSSB SR 2023-24, Page No.113 Item No.10.1.4)								
		Mtrs	1	250.00			250.00		
							250.00	161.00	**40250.00**
	Basic Rate	161.00							
77	Refilling available earth around trenches/pipelines, cables in layers not exceeding 20 cms in depth, compacting each deposited layer by ramming after watering with a lead upto 50 m, and lift upto 1.5 m. Including cost of all labour complete as per specifications (KPWD SR 2023-24, V-I, Page No.7, Item No.1.10)								
		Cum							
		80% of excavated earth, vide qty from item no.74					198.72		
							198.72	176.00	**34974.72**
	Basic rate	160.00							
	Area weightage 10%	16.00							
	Total	**176.00**							

Scanned with ACE Scanner

F.SYNTEX TANK PLATFORM

78	Earth work in surface excavation by manual means for lowering & levelling the ground by chiselling and wedging in hard rock for all works other than foundation & depth not exceeding 100mm as per drawing and technical specifications, including setting out, barricading, caution lights,dressing of excavated surfaces, disposing off the excavated spalls/stuff & stacking the selected spalls/stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools,usage & other appurtenaces required to complete the work. (PWD SR 2023-24 Vol -I Pg No 5 item no 1.3)								
	Levelling & cleaning Area:-Ward No-01	Cum	21	3.00	3.00	0.20	37.80		
	Ward No-03		18	3.00	3.00	0.20	32.40		
							70.20	194.70	**13667.94**
	Basic rate	177.00							
	Area weightage 10%	17.70							
	Total	**194.70**							
79	Solid Concrete Blocks (200mm thickness) of size 400x150x200mm (Vol 1/ P No.A-40/ I no- 70 of PWD SR 2023-24)								
	Flatform Basement:-Ward No-01	Each	21	202.00			4242.00		
	Ward No-03		18	202.00			3636.00		
							7878.00	51.70	**407292.60**
	Basic rate	47.00							
	Area weightage 10%	4.70							
	Total	**51.70**							
80	Providing and placing on terrace(at all floor levels), polyethylene water storage tanks as per IS 12701 marked,with cover and suitable locking arrangement and making necessary lioles for inlet,outlet and overflow pipes but without fittings and the base support for tank(For 1000 litre capacity) (PWD SR 2023-24 1st Corrigenda Vol II.Page No.123.Item No 13.34).								
	Sintex Tank:-Ward No-01	Ltr	21	2000.00			42000.00		
	Ward No-03		18	2000.00			36000.00		
							78000.00	9.90	**772200.00**
	Basic rate	9.00							
	Area weightage 10%	0.90							
	Total	**9.90**							
81	Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete : 20 mm nominal bore (PWD SR 2023-24 Vol II. PgNo 117.Item No 13.5.2)								
	Valve;-Ward No-01	Nos.	21	3			63.00		
	Ward No-03		18	3			54.00		
							117.00	345.40	**40411.80**
	Basic rate	314.00							
	Area weightage 10%	31.40							
	Total	**345.40**							
82	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of joints complete. (Concealed work including cutting chases and good the walls etc.,) 20mm nominal dia pipes (PWD SR 2023-24 1st Corrigenda Vol II. page No. 122 .Item No 13.32.2)								
	Water line Pipe:-Ward No-01	Mtr	42	2.70			113.40		
	Ward No-03		36	2.70			97.20		
							210.60	416.90	**87799.14**
	Basic rate	379.00							
	Area weightage 10%	37.90							
	Total	**416.90**							

Scanned with ACE Scanner

83	Mazdoor Light(Vol 1/ P No.A-52/ I no- 2 of PWD SR 2023-24)								
	Ward No-01	No's	21				21.00		
	Ward No-03		18				18.00		
							39.00	643.40	25092.6
								Sub Total RS	4152351.06
								Add GST Charges 18%	747423.19
84	Miscellaneous and unforcean Charges	L/S							225.75
								Grand Total RS	4900000.00
	(Rupees Forty Nine Lakh's Only)								

CERTIFICATE:

1) The work spot has been inspected and found to be necessary
2) The work spot comes under B.B.M.P
3) The provisions made in the estimate are necessary and minimum.
4) The estimate is based on CSR of 2023-24 (KPWD, ELE, BWSSB)

Assistant Engineer
Ward No-03

Executive Engineer
Yelahanka Division
BBMP

Assistant Executive Engineer
Attur Sub Division
BBMP

Executive Engineer
Yelahanka Division
Zone
Bruhat Bangalore Mahanagara Palike
BANGALORE - 560064

Administrative Sanction for Rs. 49.00 Lakhs.
Rupees Forty Nine lakhs only
.....
is accorded under head P-1809
.....
.....
Registered as CE No. 03 Subject to conditions contained in enclosed memo No. BBMP/YNK-D/AS/03/24-25 Dt. 10/7/24

Executive Engineer

Technical Sanction
Accorded For 49.00 Lakhs
Head of A/C P-1809
CER NO : 04 Dt: 12/7/24

Scanned with ACE Scanner